

AYRIYANTS, A., inshener; SILAYEV, A., kandidat tekhnicheskikh nauk.

Casting parts in shell moulds. Mor.flet 15 no.4:20-22 Ap '55.
(Founding) (MIRA 8:5)

STRANV, A. A., Major

Card. Tech. Sci.

Dissertation: "Analysis of Liquid Cooling Systems in Tanks." Military Order of Lenin Academy of Armored and Mechanized Troops imeni I. V. Stalin, 27 May 47.

SC: Vechniyaya Moskva, May, 1947 (Project #17336)

BABICHEV, Vladimir Zakharovich; MATVEYEV, A.I., kand.tekhn.nauk, retsenzent;
SILAYEV, A.A., kand.tekhn.nauk, red.; IVANOVA, N.A., red.isd-va;
UVAROVA, A.F., tekhn.red.

[Production of automobile radiators] Proizvodstvo avtomobil'nykh
radiatorov. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit.
lit-ry, 1958. 223 p. (MIRA 11:12)
(Automobiles--Radiators)

SILAYEV, A.A., kand.tekhn.nauk

Statistical theory and the suspension of a motor vehicle. Avt. -
prom. no.8:22-25 Ag '60. (MIRA 13:8)
(Motor vehicles--Springs)
(Mathematical statistics)

SILAYEV, A.A.; YATSENKO, N.N., kand. tekhn.nauk, retsenzent;
NAKHIMSON, V.A., red. izd-va; DEMKINA, N.F., tekhn. red.

[Spectral theory of the cushioning of transport vehicles]
Spektral'naiia teoriia podressorivaniia transportnykh ma-
shin. Moskva, Mashgiz, 1963. 166 p. (MIRA 16:6)
(Motor vehicles—Springs)

BAGDASAROV, A.G.; SILAYEV, A.A.; DAVYDOV, S.A., inzh., red.

[Methodological textbook for training blasters in hydraulic engineering construction] Uchebno-metodicheskoe posobie dlia podgotovki vzryvnikov na gidrotekhnicheskom stroitel'stve. Moskva, Energiia, 1964. 160 p. (MIRA 18:3)

POLTORAK, V.A.; SILAYEV, A.B.

Chemical and physicochemical properties of janthinellin. Antibiotiki
9 no.1:25-27 Ja '64. (MIRA 18:3)

1. Labora'oriya antibiotikov biologo-pochvennogo fakul'teta
Moskovskogo universiteta.

PRECEDENCE AND PRIORITY INDEX

117A

Hydrolysis of egg albumin in the presence of some acids and salts at various temperatures. I. Gradual autoclave hydrolysis of egg albumin and acid hydrolysis of autoclave hydrolyzates. A. B. Slayton, *Colloid J. (U. S. S. R.)* 4, 583-602 (1938). *Soln.* contg. 2% H₂SO₄ and 8% albumin were heated to 180° for a time *t* ranging between a few min. and 16 hrs. The amt. of the ppt. decreased with *t* and reached a const. value after 3 hrs. In the soln. the amts. of (NH₂ + NH₃) and of NH₂ increased with *t* especially in the first hr., while the amt. of NH₃ showed a max. after 6 hrs. When the soln. was boiled with 20% H₂SO₄ its amino N and its NH₂ increased but this increase diminished with rising *t*. This indicates that the disappearance of amino N at *t* greater than 6 hrs. is due to decarboxylation and not to a condensation. II. **Influence of acids, salts and temperature on the hydrolysis of egg albumin in an autoclave.** *Ibid.* 603 ff. —If, instead of 2% H₂SO₄, 10% H₂SO₄ is taken, the amino N of the soln. increases more than the NH₂. If instead of H₂SO₄, H₃BO₃, MgCl₂, AlCl₃ or (NH₄)₂SO₄ is used, the values of the amino N and of NH₂ in the soln. are lower. Hydrolysis in the presence of H₃BO₃ or MgCl₂ at 150° produces much less NH₂ but only a slightly lower amt. of amino N than at 180°.

J. J. Bikerman

METALLURGICAL LITERATURE CLASSIFICATION

C/A

73

Properties of fructose-1,6-diphosphate. B. N. Stepanenko and E. A. Silveva (Moscow Pharmaceutical Inst.). *Biohimiya* 14, 848-851(1969); cf. *C.A.* 39, 4742^g; 44, 675h.—Fructose-1,6 diphosphate (I) is most readily decompd. by aldolase into triose phosphate. Attempts to show that I is less easily split by KOH than is fructose have failed, because the strong alkali used hydrolyzed the phosphate groups of I so rapidly that the resulting fructose formed lactic acid at the same rate as fructose in a parallel expt. (Evans and Harbutt, *C.A.* 36, 5720). Glucose-6-phosphate increases the muscle contraction by 9%; but I does so by 30%. The Na salt of I (not described in the literature), which was used in the expts., is obtained in a solid form, and not in an emulsion, by treating the Ba salt of I, dissolved in 10 parts of water, with the calcd. amt. of Na_2SO_4 . The suspension is brought to 0° , and shaken at that temp. for 24 hrs. The BaSO_4 is removed by centrifuging and filtering. The filtrate is treated with 2 vols. of alc. After several hrs., the ppt. is rapidly filtered and stored in a vacuum desiccator charged with P_2O_5 . The Na salt of I is very hygroscopic, and unless the filtration is rapid, a sirup is obtained. H. P.

CA

7

The influence of complex formation on the magnitude of potentials of systems having analytical significance. IV. V. S. Syrokonoskil, E. V. Saltyva, and V. B. Avilov. *Zhurnal Fiz. Khim.* 44, 1754 (1970).
The normal potential of Ti^{3+}/Ti^{2+} is 0.1 v. in HCl or H_2SO_4 ; change of acidity alters this value, making it reach 0.240 v. in H_2SO_4 at 0.1 N concn. (max) or 0.230 v. in HCl at 10 N concn. Addn. of complex-forming substances also alters the value and the substances arranged in increasing stability order are: K_2SO_4 (0.240 v.), HCO_2H (0.217 v.), $(NH_4)_2SO_4$ (0.280 v.), $AcOH$ (0.350 v.). Addn. of HF to H_2SO_4 soln. or of NH_4F to either HCl or H_2SO_4 soln. gives the following potentials: HF in $N H_2SO_4$ -0.124 v., NH_4F in $N H_2SO_4$ -0.362 v., NH_4F in $N HCl$ -0.504 v., NH_4F in $2 N HCl$ -0.324 v. Specific complex-forming agents for Ti^{3+} are KCl , NH_4Cl , K_2SO_4 , $(NH_4)_2SO_4$, HCO_2H , and $AcOH$; for Ti^{2+} they are HF and NH_4F .
G. M. Kosolapoff

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PROCESSING AND PROPERTIES NOTES

Influence of Complex Formation on Potential Value of Systems Having Analytical Significance. V. New Exchange Method for Titanium Determination. (In Russian) V. S. Syrokovskii and E. V. Silina. Zavodskaya Laboratoriya (Factory Laboratory), 5, 17 Sept. 1949, p. 1015-1019.

Ammonium sulfate and acetic acid are used to bind trivalent Ti atoms into a stable complex, which increases the oxidation-reduction potential of the system with tetravalent Ti by 0.2-0.3 volts, making it more resistant to air oxidation. This permits development of a new method for Ti determination, eliminating the necessity for protecting the reduced Ti solution from an oxidation by means of inert gases.

METALLURGICAL LITERATURE CLASSIFICATION

1949-51A

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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CA

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Properties of fructose-1,6 diphosphate B. N. Stepanenko and K. A. Salsva: *Doklady Akad. Nauk S.S.S.R.* 64, 115-18 (1949). Fructose-1,6-diphosphate in 10 vol. H₂O is treated with the exact amt. of Na₂SO₃, shaken 24 hrs. at 0°, centrifuged, and the filtrate dried with 2 vols. EtOH, yielding after standing several hrs. the corresponding Na salt which is dried over P₂O₅ to a hygroscopic yellowish powder, mp 2.79°. Cleavage of the product in 2 N or 5 N KOH at 60° proceeds at the same rate as the cleavage of fructose itself (lactic acid detn. was used to follow the reaction), because of the high order of lability of the ester links in the diphosphate. However, in 0.1 N KOH the cleavage of the diphosphate is about 3 times more rapid than that of fructose. Finally, in 0.001 N KOH

fructose is unchanged but the diphosphate is still noticeably cleaved. Preliminary immersion of frog abdominal muscle in solns. of Na salts of glucose-6-phosphate or fructose-1,6-diphosphate gave enhancement of acetylcholine action (109 and 113%, resp.), at 10⁻⁵ concns.; glucose, fructose, or Na phosphate or pyrophosphate gave no effect.
G. M. Kosolapoff

8.1.1954, A B

AUTHOR: Silayev, A.B. 123 - 1 -113.

TITLE: About the Losses on Friction in Meshing Elliptical Gears (O poteryakh na treniye v zatseplenii oval'nykh zubchatykh koles).

PERIODICAL: Tr. Dal'nevost., politekhn. in-ta, 1954, vyp.43, 213-225.

ABSTRACT: The derivation of a formula for the determination of the efficiency of elliptical gears in an average transmissive proportion, equal 1 (one), and with an assumption of a constant coefficient of friction in the gears' teeth is given. It has been established that the efficiency of elliptical gears is rising with the reduction of ratio between the pitch of meshing and the long semi-axis of the ellipse and with the decrease of its eccentricity. Results are cited of the experimental determination of efficiency of these gears, which confirm the analytical deductions. Five pictures, two tables and three bibliographical references are given.
Ref.Zh., Mashinostroyeniye, Nr.1, 1957, Item 113.

Card 1/2

ASSOCIATION: Far-Eastern Polytechnical Institute 123 - 1 - 113.
(Dal'nevost. politechn. in-t).
PRESENTED BY:
SUBMITTED:
AVAILABLE:

SILAYEV, A.B.; SVETLAYEVA, V.M.; TERENT'YEV, A.P.

N-alkyl derivatives of α -amino acid. Part 1. Vest.Mosk.un. 10
no.10:115-121 0 '55. (MIRA 9:4)

1.Laboratoriya khimii belka imeni akademika N.D.Zelinskego.
(Amino acids)

SILAYEV, A.B.; SVETLAYEVA, V.M.; TERENT'YEV, A.P.

N-alkyl substituted α -amino acids. Part 2. Cyanhydrin synthesis
with γ -alkoxypropylamines and aliphatic aldehydes. Vest.Mosk.
un.10 no.12:109-113 D '55. (MLRA 9:5)

1. Kafedra organicheskoy khimii.
(Propionic acid) (Isocaproic acid) (Cyanhydrins)

BEKKER, Z.N.; SILAYEV, A.B.; MAKSIMOVA, R.A.; SEMENOV, M.N.; SMIRNOVA, A.D.;
MOSHKOVSKIY, Sh.D.; NOSINA, V.D.; VEYS, R.A.; BEREZINA, Ye.K.

Fumagillin produced from an organism isolated in the U.S.S.R.
Antibiotiki 2 no.6:14-16 N-D '57. (MIRA 11:2)

1. Laboratoriya antibiotikov biolog-pochvennogo fakul'teta Moskovskogo
ordena Lenina gosudarstvennogo universiteta imeni M.V.Lomonosova,
Vnesoyuznyy nauchno-issledovatel'skiy institut antibiotikov, Nauchno-
issledovatel'skiy institut malyarii, meditsinskoy parazitologii i
gol'mintologii.

(ASPERGILLUS,

fumigatus, prod. of fumagillin (Rus))

(ANTIBIOTICS, preparation of,

fumagillin, from Aspergillus fumigatus (Rus))

SOV/124-58-3-3472

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 3, p 126 (USSR)

AUTHOR: Silayev, A. B.

TITLE: On the Strength of Starter Air Conduits for Diesel Engines (K voprosu o prochnosti puskovykh vozdukhoprovodov dizeley)

PERIODICAL: Nauchn. tr. Mosk. lesotekhn. in-ta, 1957, Nr 7, pp 112-118

ABSTRACT: Strength specifications for the pipes are set forth for various operating conditions.

Reviewer's name not given

Card 1/1

SILAYEV, A. B.

Distr: 4E43/413d

Preparation of 2,3-dimethylpropanoic acid containing radio-
 active sulfur. (A. N. Nesmeyanov, A. B. Silayev, and V. M.
 Fedoseev (State Univ. Moscow). *Zhur. Obshchei Khim.*
 27, 1289-2 (1957).—The following method yields S^{35} -labeled
 BAL with high activity. $Na_2S^{35} \cdot 9H_2O$ was treated with
 1:1 HCl and the resulting H_2S passing into EtONa soln. after
 which ordinary H_2S was used to saturate the residual Et-
 ONa; the soln. was kept in an ampul with $BrCH_2CH_2Br$ -
 CH_3OH 5 days and the operation repeated with fresh NaSH
 soln. After 5 days more the mixt. was acidified with HCl,
 filtered, and cooled. *in vacuo* under N_2 ; after extrn. with CH_2 -
 Cl_2 there was obtained 51% S^{35} -labeled $H_3SCH_2CH_2SH$ -
 CH_3OH , b_p 0.1-5°, n_D^{20} 1.5730, d_4^{20} 1.2500. Isotope ex-
 change between this and $N_2S^{35}H$ was studied in 80% EtOH.
 It was shown that at 37° no exchange occurs.

G. M. Kosolapoff

6
1/2

PM RMB

SILAYEV A.P.

Conditions and mechanism of synthesis of phosphoryl choline containing phosphorus-32. A. P. Silayev, A. N. Nemayevskiy, and V. M. Kutyuzin (State Univ., Moscow). *Zhur. Obshchei Khim.* 37, 1251-6 (1967). ~~Conditions of P³² (red form) gave labeled P₂O₅ which was quenched in H₂O with heating to yield labeled H₃PO₄. This (6.0679 g.) treated with 2.3593 g. choline chloride was heated to 100 °/1-2 min. (optimum conditions) until HCl evolution ceased; the mass was then treated with 4.4885 g. P₂O₅ and heated as above 50 hrs. After treatment with 10% NH₄OH with boiling 1 hr. the phosphate ion was pptd. with magnesia mixt. and the filtrate on treatment with CaCl₂ gave Ca salt of phosphoryl choline after addn. of EtOH. The incorporation of P³² occurs through both the P₂O₅ and H₃PO₄ components of the mixt.; at 1-2 min. both participate equally. No exchange of P³² occurs between phosphoryl choline and mono-salts of H₃PO₄ in neutral or acid media at 100°. This indicates a very stable ester link.~~
G. M. Koschepoff

5
4E 4J
4E 2L

11

PM

SILAYEV, A.B.; NESMEYANOV, An.N.; FEDOSEYEV, V.M.; KONDAKOVA, N.V.

Synthesis of α, β -dimercaptopropionic acid, containing
radioactive sulphur. Zhur.ob.khim. 27 no.10:2871-2873 0 '57.
(MIRA 11:4)

1.Moskovskiy gosudarstvennyy universitet.
(Propionic acid) (Tracers (Biology))

SILAYEV, A.B.; STEPANOV, V.M.

Role of the free amino group of gramicidin C in biological activity. Dokl. AN SSSR 112 no.2:297-299 Ja '57. (MLBA 10:4)

1. Moskovskiy gosudarstvennyy universitet im. M.V. Lomonosova.
Predstavleno akademikom A. N. Nesmeyanovym.
(Gramicidin)

SILAEV, A.B., SEMENOV, M.N.

Extraction and chemical purification of fumagillin. Antibiotiki
3 no.483-6 JL-Ag '58 (MIRA 11:10)

1. Laboratoriya antibiotikov biologo-pochvennogo fakul'teta
Moskovskogo ordena Lenina gosudarstvennogo universiteta imeni
M.V. Lomonosova. Vsesoyuznyy nauchno-issledovatel'skiy institut
antibiotikov.

(FUMAGILLIN)

STEPANOV, V.M.; SILAYEV, A.B.; POLIN, A.N.

Production and studies on antibiotic properties of δ -N-peptides
of gramicidin C. Antibiotiki 3 no.5:49-53 S-0 '58.
(MIRA 12:11)

1. Moskovskiy ordena Lenina gosudarstvennyy universitet imeni
M.V.Lomonosova.

(ANTIBIOTICS,
gramicidin C, δ -N-peptides (Rus))

S. I. LAYEV, A. B.

NO(1)
AUTHORS: Afrikyan, E. Ia. Eudayeva, A. G., Candidates of Biological Sciences

TITLE: Use of Antibiotics in Plant Cultivation (Primeneniye antibiotikov v rastenyevodstve)

PERIODICAL: Vestnik Akademi nauk SSSR, 1959, Nr. 1, pp 142-145 (USSR)

ABSTRACT: A conference dealing with this subject took place in Yaroslavl from 8 to 13 October, 1958; it had been called by the Institute of Microbiology Akademi nauk SSSR (Microbiological Institute of the Academy of Sciences USSR), the USSR (All-Union) Scientific Center for Microbiology of the VASKhNIL and the Institute for Agricultural Microbiology of the USSR (Department for Microbiology of the Academy of Sciences of the Armenian SSR).

Abstract continues: E. Ia. Eudayeva reports on investigations of several years' duration carried out by Ukrainian mycologists on soil fungus carriers of potato late blight and diploidia in maize.

S. G. Gerasimov reports on investigations of the utilization of antibiotics in the fight against bacterial blight of cotton bushes.

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Card 1/1

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5(3)

AUTHORS:

Fedoseyev, V. M., Kovalenko, S. P.,
Nesmeyanov, An. N.

SOV/79-29-5-071
Silayev, A. B.

TITLE:

S-Derivatives of Thiourea (S-proizvodnyye tiomocheviny).
1. Synthesis of N-Acetyl- and N,N-Diethyl-2,3-diisothiuronium
Propyl Amine (1. Sintez N-atsetil- i N,N-dietyl-2,3-dizo-
tiuroniypropilamina)

PERIODICAL:

Zhurnal obshchey khimii, 1959, Vol 29, Nr 5, PP 1703-1707
(USSR)

ABSTRACT:

Two new S-derivatives of thiourea were produced: dibromide
of bromine hydrate of N,N-diethyl-2,3-diisothiuronium propyl
amine and dibromide of N-acetyl-2,3-diisothiuronium propyl
amine. The course of the synthesis and the values of the
elementary analysis are given. The synthesis was controlled
by paper chromatography; furthermore, it was repeated with
marked atoms (S^{35}). The reaction between 2,3-dibromopropyl
amine and thiourea in butanol solution at 80° does not lead
to the formation of dibromide of the bromine hydrate of
2,3-diisothiuronium propyl amine. Bromide of the bromine
hydrate of 2-amino-5-isothiuronium methyl thiazoline is
probably formed in this connection. There are 1 table and

Card 1/2

S-Derivatives of Thiourea. 1. Synthesis of N-Acetyl- and N,N-Diethyl-2,3-
diisothiuronium Propyl Amine

SOV/79-29-5-63/75

11 references, 1 of which is Soviet.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet
(Moscow State University)

SUBMITTED: February 6, 1958

Card 2/2

KHOKHLOV, A.S.; SILAYEV, A.B.; STEPANOV, V.M.; YULIKOVA, Ye.P.; TROSHKO, Ye.V.;
LEVIN, Ye.D.; MAMIOFE, S.M.; SINITSYNA, Z.T.; CHI CHAN-TSIN [Ch'ih
Ch'ang-Ch'ing]; SOLOV'YEVA, N.K.; IL'INSKAYA, S.A.; ROSSOVSKAYA, V.S.;
DMITRIYEVA, V.S.; SEMENOV, S.M.; VEYS, R.A.; BEREZINA, Ye.K.;
RUBTSOVA, L.K.

A new type of polymyxin,,polymyxin M. Antibiotiki 5 no.1:3-9 Ja-F
'60. (MIRA 13:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov i
laboratoriya khimii belka i antibiotikov khimicheskogo fakul'teta
Moskovskogo ordena Lenina gosudarstvennogo universiteta imeni M.V.
Lomonosova.

(POLYMXIN)

SILAYEV, A.B.; ORLOVA, T.I.; KUZNETSOVA, V.S.; MIRONOVA, I.B.

Chemical characteristics of aurantin. Antibiotiki 5 no.3:18-21
My-Je '60. (MIRA 14:6)

1. Laboratoriya antibiotikov biologo-pochvennogo fakul'teta
Moskovskogo gosudarstvennogo universiteta.
(ANTIBIOTICS)

SILAYEV, A.B.

Problem of the mechanism of inactivation of polymyxin M. Antibiotiki
5 no.6:3-4 N-D '60. (MIRA 14:3)

1. Laboratoriya khimii belka i antibiotikov Moskovskogo gosudar-
stvennogo universiteta.
(POLYMYXIN)

STEPANOV, V.M.; SILAYEV, A.B.; KATRUKHA, G.S.

Molecular weight of polymyxin M. Biokhimiia 25 no.4:749-757 J1-Ag
'60. (MIRA 13:11)

1. Laboratory of Protein Chemistry and Antibiotics, Chemical Faculty,
the State University, Moscow.
(POLYMYXINS)

FEDOSEYEV, V.M.; BOCHKAREV, V.N.; SILAYEV, A.B.

S-Derivatives of thiourea. Part 3: Reaction of thiourea with
N-(2,3-dibromopropyl) phthalimide. Zhur. ob. khim. 30 no.11:
3795-3798 N°60. (MIRA 13:11)

1. Moskovskiy gosudarstvennyy universitet.
(Urea) (Phthalimide)

SILYEV, I. B., KATRUKHA, G. G., YULKOVA, YE. P., KUZMINA, N. A. (USSR)

"Mechanism of Polymixin M Inactivation."

Report presented at the 5th International Biochemistry Congress,
Moscow, 10-16 August 1961

SILAYEV, A.B.; KUZNETSOVA, V.S.; ORLOVA, T.I.; MIRONOVA, I.B.

Amino acid composition of aurantia fractions. Antibiotiki 6 no.1:
25-29 Ja '61. (MIRA 14:5)

1. Laboratoriya antibiotikov biologo-pochvennogo fakul'teta Moskov-
skogo gosudarstvennogo universiteta.
(ANTIBIOTICS) (AMINO ACIDS)

ZUBOVA, O.V.; SILAYEV, A.B.; SOLOV'YEVA, V.G.

Comparative study of the tumor-inhibiting and toxic action of aurantin, its individual fractions and actinomycin C. Antibiotiki 6 no;6:485-488 Je '61. (MIRA 15:1)

1. Laboratoriya antibiotikov biologo-pochvennogo fakul'teta Moskovskogo universiteta.

(ANTIBIOTICS) (TUMORS)

SILAYEV, A.B.; MIRONOVA, I.B.; ORLOVA, T.I.; KUZNETSOVA, V.S.

Chemical structure of the A₁ fraction of aurantin. Antibiotiki
6 no.7:597-603 JI '61. (MIRA 15:6)

1. Laboratoriya antibiotikov biologo-pochvennogo fakul'teta
Moskovskogo universiteta.

(ANTIBIOTICS)

SILAYEV, A.B.; AGRE, N.S.; EL'-REGISTAN, G.I.; VEYS, R.A.; SEMEROV, M.N.

Isolation, purification and basic properties of antibiotics from
Actinomyces globisporus var.roseus strain No. 2911. Antibiotiki
6 no.10:871-878 0 '61. (MIRA 14:12)

1. Laboratoriya antibiotikov biologo-pochvennogo fakul'teta Moskov-
skogo universiteta imeni Lomonosova.
(ANTIBIOTICS) (ACTINOMYCES)

POLTORAK, V.A.; SHAYEV, A.B.

Method for the isolation and chemical refining of an antifungal
polyene candicine-type antibiotic. Vest.Mosk.Un.Ser.2: khim. 16
no.6:73-74 N-D '61. (MIRA 14:11)

1. Laboratoriya antibiotikov biologo-pochvennogo fakul'teta
Moskovskogo gosudarstvennogo universiteta.
(Antibiotics)

KATRUKHA, G.S.; STEPANOV, V.M.; SILAYEV, A.B.

Use of carbobenzoxy derivatives for the quantitative determination
of free amino groups in some antibiotics. Antibiotiki 6 no.8:
681-685 Ag '61. (MIRA 15:6)

1. Laboratoriya khimii belka i antibiotikov Khimicheskogo
fakul'teta Moskovskogo universiteta imeni Lomonosova.
(ANTIBIOTIC) (AMINO GROUP)

SILAYEV, A.B.; KATRUKHA, G.S.; STEPANOV, V.M.

Determination of the number of amino groups in kanamycin,
mycerin and colimycin. Biokhimiia 26 no. 1:10-12 Ja-F '61.
(MIRA 14:2)

1. Laboratory of Protein Chemistry and Antibiotics, Chemical
Faculty, the State University, Moscow.
(ANTIBIOTICS) (AMINO GROUP)

KATRUKHA, G.S.; SILAYEV, A.B.; STEPANOV, V.M.

New method for determining the number of amino groups in antibiotics. Biokhimiia 26 no.4:649-654 JI-Ag '61. (MIRA 15:6)

1. Laboratory of Protein Chemistry and Chemistry of Antibiotics, Chemical Faculty, State University, Moscow.

(ANTIBIOTICS)

(AMINO GROUP)

KATRUKHA, G.S.; SILAYEV, A.B.

Determination of the number of free carboxyl groups in amino acids
and peptides by a partial substitution method. *Biokhimiia* 26 no.5:
872-876 S-0 '61. (MIRA 14:12)

1. Laboratory of Chemistry of Proteins and Antibiotics, Chemical
Faculty of the State University, Moscow.
(AMINO ACIDS) (PEPTIDES)
(CARBOXYL GROUP)

SILAYEV, A.B.; STEPANOV, V.M.; YULIKOVA, Ye.P.; TROSHKO, Ye.V.; LEVIN, Ye.D.

Chemistry of polymyxin N. Part 1: Qualitative amino acid analysis
and analysis for end groups. Zhur. ob. khim. 31 no.1:297-305 Ja
'61. (MIRA 14:1)

1. Moskovskiy gosudarstvennyy universitet.
(Polymyxin)

SILAYEV, A.B.; STEPANOV, V.M.; YBLIKOVA, Ye.P.; MURATOVA, G.L.

Chemistry of polymixin M. Part 2: Quantitative amino acid composition. Zhur. ob. khim. 31 no.3:1023-1026 M_r '61. (MIRA 14:3)

1. Moskovskiy gosudarstvennyy universitet.
(Polymixin)

SILAYEV, A.B.; FEDOSEYEV, V.M.; VASILEVSKIY, V.L.

Reactions of thiourea with N-(α -bromoacyl)-amino acids. Part 1:
Reactions of thiourea with N-(α -bromobutyryl)-glycine in ethyl
alcohol. Zhur.ob.khim. 30 no.10:3464-3468 0 '61. (MIRA 14:4)

1. Moskovskiy gosudarstvennyy universitet.
(Urea) (Glycine)

FEDOSEYEV, V.M.; IVANENKOV, V.V.; SILAYEV, A.B.

S-derivatives of thiourea. Part 2: Synthesis of 2-imino-3-alkyl-5-isothiuroniummethylthiazolidines. Zhur.ob.khim. 30 no.10:3468-3472 0 '61. (MIRA 14:4)

1. Moskovskiy gosudarstvennyy universitet.
(Isothiuronium compounds) (Thiazolidine)

SILAYEV, A.B.; STEPANOV, V.M.; YULIKOVA, Ye.P.; MURATOVA, G.L.

Chemistry of polymyxin M. Part 3: Partial hydrolysis of
polymyxin M. Zhur.ob.khim. 31 no.8:2712-2716 Ag '61.

(MIRA 14:8)

1. Moskovskiy gosudarstvennyy universitet imeni M.V.
Lomonosova.

(Polymyxin)

SILAYEV, A.B.; STEPANOV, V.M.; KOZLOV, I.V.

Chemistry of polymyxin M. Part 4: Synthesis and properties
of possible fragments of polymyxin M. Zhur.ob.khim. 31 no.8:
2716-2721 Ag '61. (MIRA 14:8)
(Polymyxin)

KUZNETSOVA, V.S.; MIRONOVA, I.B.; ORLOVA, T.I.; SILAYEV, A.B.

Chemical structure of the components of the antibiotic
aurantin A₂ and A₃. Antibiotiki 7no.3:30-34 Mr '62.
(MIRA 15:3)

1. Laboratoriya antibiotikov biologo-pochvennogo fakul'teta
Moskovskogo ordena Lenina universiteta imeni Lomonosova.
(ANTIBIOTICS)

SILAYEV, A.B.; KATRUKHA, G.S.

Number of free amino and carboxyl groups in the antibiotic actinoidin.
Antibiotiki 7 no.5:456-460 My '62. (MIRA 15:4)

1. Laboratoriya khimii belka i antibiotikov khimicheskogo fakul'teta
Moskovskogo universiteta imeni Lomonosova.
(AMINO GROUP) (ACTINOIDIN) (CARBOXYL GROUP)

SILAYEV, A.B.; KATRUKHA, G.S.; KUZ'MINA, N.A.

Mechanism of the inactivation of polymyxin M. Comparative study of some properties of active and inactivated polymyxin. Antibiotiki 7 no.8:703-708 Ag '62. (MIRA 15:9)

1. Laboratoriya khimii belka i antibiotikov kafedry organicheskoy khimii khimicheskogo fakul'teta Moskovskogo gosudarstvennogo universiteta.

(POLYMYXIN)

KATRUKHA, G.S.; SILAYEV, A.B.; KHARTSKHAYEVA, S.V.

Potassium 4-chloro-3,5-dinitrobenzenesulfonate, a new reagent
for the quantitative determination of amino groups in antibiotics
by the partial substitution method. Biokhimiia 27 no.3:549-556
My-Je '62. (MIRA 15:8)

1. Laboratory of Chemistry of Protein and Antibiotics, State
University, Moscow.
(AMINO GROUP) (ANTIBIOTICS) (CHEMICAL TESTS AND REAGENTS)

SILAYEV, A.B.; KATRUKHA, G.S.; KUZ'MINA, N.A.

Intramolecular transformations of α,γ -
-diaminobutyric acid. Zhur.ob.khim. 31 no.9:3111-3115 S '61.
(MIRA 14:9)

(Butyric acid)

STEPANOV, V.M.; SILAYEV, A.B.

Preparation of δ -N-guanyl-gramicidin C. Zhur. ob. khim. 31
no. 11:3799-3804 N '61. (MIRA 14:11)

1. Moskovskiy gosudarstvennyy universitet im. M.V. Lomonosova.
(Gramicidin)

STEPANOV, V.M.; SILAYEV, A.B.

Preparation of phenyl-substituted gramicidin C derivatives. Zhur.
ob. khim. 31 no. 11:3804-3810 N '61. (MIRA 14:11)

1. Moskovskiy gosudarstvennyy universitet im. M.V. Lomonosova.
(Gramicidin)

STEPANOV, V.M.; SILAYEV, A.B.

Preparation of gramicidin 3 derivatives containing carboxyl groups.
Zhur. ob. khim. 31 no. 11:3811-3814 N '61. (MIRA 14:11)

1. Moskovskiy gosudarstvennyy universitet im. M.V. Lomonosova.
(Gramicidin)

FEDOSEYEV, V.M.; BOCHKAREV, V.N.; SILAYEV, A.B.

Derivatives of thiourea. Part 4: Preparation of 2-bromo-3-
isothiuronium propylamine and study of some of its transformations.
Zhur.ob.khim. 31 no.12:3929-3933 D '61. (MIRA 15:2)

1. Moskovskiy gosudarstvennyy universitet imeni M.V.Lomonosova.
(Pseudourea)

SILAYEV, A.B.; STEPANOV, V.M.; YULIKOVA, Ye.P.; MICHAYLOVA, I. Yu.;
(Bolgariya); UDALOVA, T.P.

Study of the inactivation of polymyxin. M. Antibiotiki 7 no.7:
638-643 JI'62. (MIRA 16:10)

1. Laboratoriya khimii belka i antibiotikov khimicheskogo
fakul'teta Moskovskogo universiteta imeni M.V.Lomonosova.

*

KATRUKHA, G.S.; SILAYEV, A.B.

Determination of the number of free hydroxy groups in some biological objects by the method of partial substitution. *Biokhimiya* 27 no.4: 608-614 J1-Ag '62. (MIRA 15:11)

1. Laboratory of Protein Chemistry and Antibiotics, State University, Moscow.

(SUGARS)

(HYDROXY COMPOUNDS)

(PEPTIDES)

SILAYEV, A.B.; YULIKOVA, Ye.P.; BARATOVA, L.A.

Chemistry of polymyxin M. Part 5: Identification of fatty acid.
Zhur.ob.khim. 32 no.3:818-820 Mr '62. (MIRA 15:3)

1. Moskovskiy gosudarstvennyy universitet imeni M.V.Lomonosova.
(Polymyxins) (Acids, Fatty)

VASILEVSKIY, V.L.; FEDOSEYEV, V.M.; SILAYEV, A.B.

Interaction of thiourea with N-(α -bromoacyl)-amino acids. Part 2:
Reaction of thiourea with N-(α -bromobuturyl)-glycine in dimethyl-
formamide. Zhur.ob.khim. 32 no.7:2269-2273 JI '62. (MIRA 15:7)

1. Moskovskiy gosudarstvennyy universitet imeni M.V.Lomonosova.
(Urea) (Glycine)

FEDOSEYEV, V.M.; SIMONOV, Ye.F.; SILAYEV, A.B.

Synthesis of 2,3-dimercaptopropanol ethers. Zhur.ob.khim. 32
no.9:3083-3088 S '62. (MIRA 15:9)

1. Moskovskiy gosudarstvennyy universitet imeni M.V. Lomonosova.
(Propanol) (Ethers)

FEDOSEYEV, V.M.; ZAVADA, M.; SILAYEV, A.B.

S derivatives of thiourea. Part 5: Reaction of thiourea
with ~~2,4~~-dibromopropionic acid. Zhur.ob.khim. 32
no.10:3425-3432 0 '62. (MIRA 15:11)

1. Moskovskiy gosudarstvennyy universitet imeni
M.V. Lomonosova.

(Urea)
(Propionic acid)

FEDOSEYEV, V.M.; SULIMA, A.V.; SILAYEV, A.D.

S derivatives of thiourea. Part 6: 2,3-Di(isothiuronium
bromide)-propanol and its ethers. Zhur.ob.khim.
32 no.10:3432-3439 0 '62. (MIRA 15:11)

1. Moskovskiy gosudarstvennyy universitet imeni
M.V. Lomonosova.
(Pseudourea) (Propanol)

SHAPOSHNIKOV, V. N., akademik; NEPELOVA, M. V.; ORLOVA, T. I.;
MIRONOVA, I. B.; KUZNETSOVA, V. S.; ZUBOVA, O. V.;
SILAYEV, A. B.

Formation of new fractions of auranthin and the study of their
chemical and biological properties. Dokl. AN SSSR 147 no.6:
1476-1479 D '62. (MIRA 16:1)

(Auranthin)

BEKKER, Z.E.; LISINA, Ye.S.; POLTORAK, V.A.; SILAYEV, A.B.

Ientinellin, an antibiotic with antifungal properties produced
from *Penicillium janthinellum* Bourge. Antibiotiki 8 no.3:
207-212 Mr'63 (MIRA 174)

1. Laboratoriya antibiotikov biologo-pochvennogo fakul'teta
Moskovskogo universiteta imeni Lomonosova.

ZHARIKOVA, G.G.; KOVYAZIN, N.V.; IJUKIN, A.A.; MITRONOVA, T.N.; SAVCHENKO,
G.V.; SILAYEV, A.B.; SUSHKOVA, I.V.

Production of gramicidin C by the flat form of *Bacillus brevis*
var. GB. Antibiotiki 8 no.3:228-232 Mr*63 (MIRA 17:4)

1. Laboratoriya antibiotikov i kafedra genetiki biologo-poch-
vennogo fakul'teta Moskovskogo universiteta imeni Lomonosova.

POLIN, A.N.; HULGAKOVA, V.G.; SILAYEV, A.B.

Rapid turbidimetric method for the quantitative determination
of gramicidin C. Antibiotiki 8 no.3:237-241 Mr*63 (MIRA 17:4)

1. Laboratoriya antibiotikov (zav. - dotsent A.B. Silayev)
Moskovskogo universiteta imeni Lomonosova.

ZHARIKOVA, G.G.; SILAYEV, A.B.; SUSHKOVA, I.V.

Effect of some organic acids and some amino acids on the biosynthesis of gramicidin C. Antibiotiki 8 no.5:425-430 My'63.
(MIRA 17:3)

1. Laboratoriya antibiotikov biologo-pochvennogo fakul'teta Moskovskogo universiteta.

GUBERNIYEVA, L.M.; SILAYEV, A.B.

Studying the interaction of antibiotics with blood proteins by the
crossing electrophoresis method. Biokhimiia 28 no.3:572-574 My-Je
'63. (MIRA 17:2)

1. Gosudarstvennyy universitet imeni Lomonosova, Moskva.

FEDOSEYEVA, N.V.; SILAYEV, A.B.; ANDREYEVA, L.I.

Chemistry of polymyxin M. Part 6: Synthesis of peptides
of L- α -diaminobutyric acid. Zhur.ob.khim. 33 no.3:1019-1023
Mr '63. (MIRA 16:3)

(Polymyxins)

(Butyric acid)

(Peptides)

FEDOSEYEV, V.M.; IVANENKOV, V.V.; SILAYEV, A.B.

S-derivatives of thiourea. Part 7: Reaction of thiourea
with N-isopropyl-2,3-dibromopropylamine. Zhur.ob.khim.
33 no.3:1026-1031 Mr '63. (MIRA 16:3)

1. Moskovskiy gosudarstvennyy universitet imeni
M.V. Lomonosova.

(Urea)
(Propylamine)

VASILEVSKIY, V.L.; SVERDLOV, Ye.D.; FEDOSEYEV, V.M.; SILAYEV, A.B.

Interaction of thiourea with α -bromobutyric acid. Part 1:
Effect of solvents on the reaction rate. Zhur.ob.khim. 33 no.7:
2397-2401 J1 '63. (MIRA 16:8)

1. Moskovskiy gosudarstvennyy universitet.
(Urea) (Solvents) (Butyric acid)

FEDOSEYEVA, N.V.; TELESNINA, T.R.; SILAYEV, A.B.

Chemistry of polymyxin M. Part 7: Synthesis of peptides of
L- α , γ -diaminobutyric acid. Zhur. ob. khim. 33 no.8:2760-
2764 Ag '63. (MIRA 16:11)

1. Moskovskiy gosudarstvennyy universitet imeni M.V. Lomonosova.

SVERDLOV, Ye.D.; VASILEVSKIY, V.L.; FEDOSEYEV, V.M.; SILAYEV, A.B.

Reaction of thiourea with α -bromobutyric acid. Part 2:
Characteristics of the reaction taking place at low con-
centrations of initial substances. Zhur.ob.khim. 33 no.10:
3373-3378 0 '63. (MIRA 16:11)

1. Moskovskiy gosudarstvennyy universitet imeni M.V.Lomono-
sova.

FEDOSEYEV, V.M.; TARASENKO, A.G.; MRAZEK, L.; SILAYEV, A.B.

Synthesis of 2,3-dimercaptopropylamine and its N-mono- and
N,N'-dialkyl derivatives. Dokl.AN SSSR 148 no.4:871-874
F '63. (MIRA 16:4)

1. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova.
Predstavleno akademikom A.N.Nesmeyanovym.
(Propylamine)

ZHARIKOVA, G. G.; SAVCHENKO, G. V.; MIRONOVA, L. A.; SILAYEV, A. B.; KATRUKHA, G. S.

"Antibiotic production by four dissociation forms of bac. brevis var. GB."

report submitted for Antibiotics Cong, Prague, 15-19 Jun 64.

Lab of Antibiotics, Faculty of Soil Biology, Moscow State Univ.

SHAPOSHNIKOV, V. N.; SILAYEV, A. B.; NEPELOVA, M. V.; ORLOVA, T. I.; KUZNETSOVA, V. S.;
MIRONOVA, I. B.; ZUBOVA, O. V.

"Directed biosynthesis of aurantin and investigation of biological and chemical
properties of new aurantin fractions."

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Lab of Antibiotics, Faculty of Soil Biology, Moscow State Univ.

FOLIN, A. N.; SILAYEV, A. B.; STEPANOV, V. M.

"Relation between chemical structure and biological activity of Gramicidin's derivatives.

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Univ of Moscow.

FEDOSEYEVA, N. V.; SILAYEV, A. B.

"Synthesis and properties of α, γ -diaminobutyric acid peptides."

report submitted for the 7th European Peptide Symp, Budapest, 3-8 Sep 64.

SILAYEV, A.B., kand.tekhn.nauk

Mechanized continuous production of glued ties. Put' 1 put.khoz.

8 no.4:24-26 '64.

(MIRA 17:4)

ZHUKOVA, G.V.; FLECHAYEV, V.M.; SILAYEV, A.B.

Study of the antitumor activity of some derivatives of 2,3-di
(isothiuronium)-propanol and 2-imino-5-(isothiuronium)-methyl-
thiazolidine. Vop. onk. 10 no.1:26-28 '64.

(MIRA 17:11)

1. Iz laboratorii antibiotikov biologo-pochvennogo fakul'teta
(zav. - dotsent A.B. Silayev) i kafedry radiokhimii khimiche-
skogo fakul'teta (zav. - prof. A.N. Nesmeyanov) Moskovskogo go-
sudarstvennogo universiteta. Adres avtorov: Moskva, Moskovskiy
universitet, Leninskiye gory, laboratoriya antibiotikov biologo-
pochvennogo fakul'teta.

TARASENKO, A.G.; FELOSEYEV, V.M.; SHAYEV, A.B.

2,3-Dimercaptopropylamine and its derivatives. Part 1: Synthesis
of N-mono- and N,N-dialkyl derivatives of 2,3-dimercaptopropylamine.
Zhur. ob. khim. 34 no. 3 100-1014 Mr '64. (MIRA 17:6)

1. Moskovskiy gosudarstvennyy universitet imeni M.V.Lomonosova.

VASILEVSKIY, V.I.; LEHLEVA, T.A.; FIKOLIN, V.M.; SILAYEV, A.B.

Reaction of thiourea with β -halopropionic acids. Zhur.
ob. khim. 35 no.3:479-481 Mr '65. (MIRA 18:4)

1. Moskovskiy gosudarstvennyy universitet.

TOKHTAMURATOV, Ye.; SILAYEV, A.B.; KHODZHIBAYEVA, S.M.

Isolation of an antitumor substance from the culture fluid of *Actinomyces tumemacerans*. Antibiotiki 9 no.3:205 Mr '64.

(MIRA 17:12)

1. Kafedra biologii pochy i laboratoriya antibiotikov Moskovskogo Universiteta.

GUBERNIYEVA, L.M.; SILAYEV, A.B.

Formation of complexes of antibiotics with nucleic acids.
Antibiotiki 9 no.8:716-719 Ag '64.

(MIRA 18:3)

1. Moskovskiy universitet imeni Lomonosova.

SHAPOSHNIKOV, V.N.; NEFELOVA, M.V.; ORLOVA, T.I.; SILAYEV, A.B.

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1. Biologo-pochvennyy fakul'tet Moskovskogo universiteta imeni Lomonosova.

SILAYEV, A.B.; TOKHTAMURATOV, Ye.

Study on tetraene antibiotics produced by actinomyces. Antibiotiki
10 no.1:27-30 Ja '65.

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tumemacerans. Ibid.:30-33 (MIRA 18:4)

1. Laboratoriya antibiotikov Moskovskogo universiteta imeni
Lomonosova.

SILAYEV, A.B.; LE VUON 1965

Amino acid composition of proteins in Vietnam rice varieties.
Prikl. biokhim. i mikrobiol. 1 no.1:122-125 Ja-F '65.

(MIRA 18:5)

1. Khimicheskiy fakul'tet Moskovskogo gosudarstvennogo univer-
siteta imeni Leninskogo.

FEDOSYEV, N.V.; SILAIEV, A.B.

Separation of DL-threonine into optical antipodes. Vest. Mosk.
un. Ser. 2: Khim. 20 no.1:69-70 Ja-F '65. (MIRA 18:3)

1. Kafedra organicheskoy khimii Moskovskogo universiteta.

GUBERNIYEVA, L.M.; SILAYEV, A.B.

Mechanism of the interaction between heparin and antibiotics.
Biokhimiia 29 no.5:831-836 J1-Ag '64. (MIRA 18:11)

1. Gosudarstvennyy universitet imeni Lomonosova, Moskva.

KATRUKHA, G.S.; SILAYEV, A.B.; KATRUKHA, S.P.

Determination of the number of free SH-groups in amino acids and peptides by the method of partial substitution. *Biochimia* 29 no.5:873-877 J1-Ag '64. (MIFA 18:11)

1. Laboratoriya khimii belka i antibiotikov khimicheskogo fakul'teta Gosudarstvennogo universiteta imeni Lomonosova, Moskva.

SEFENOV, M.N.; SIIAYEV, A.B.

New method for the isolation of fumagillin, potassium salt
and its biological properties. Antibiotiki 9 no.4:311-314
Ap '64. (MIRA 19:1)

1. Laboratoriya antibiotikov biologo-pochvennogo fakul'teta
Moskovskogo universiteta imeni Lomonosova.

BILAYEV, A.B.; PLAKUNOV, V.K.; PLAKUNOVA, V.G.

Chemical methods for the determination of gramicidin C.
Antibiotiki 9 no.4:314-317 Ap '64. (MIRA 19:1)

1. Biologo-pochvennyy fakul'tet Moskovskogo universiteta
Imeni Lomonosova.

SHAYEV, A.B.; ORLOVA, T.I.; NEFELOVA, M.V.

Free amino acids in actinomyces producing auranthin. Antibiotiki
9 no.9:788-792 S '64. (MIRA 19:1)

1. Biologo-pochvennyy fakul'tet Moskovskogo universiteta imeni
Lomonosova.

POLTORAK, V.A.; SILAYEV, A.B.

Relationship between the biological activity and structure
of janthinellin. Antibiotiki 9 no.9:844-845 S '64.

(MIRA 19:1)

1. Laboratoriya antibiotikov biologo-pochvennogo fakul'teta
Moskovskogo universiteta imeni Lomonosova.

SEMENOV, M.N.; ZUBOVA, O.V.; SILAYEV, A.B.

Antibiotic associated with fumagillin. Antibiotiki 10 no.3:
219-222 Mr '65. (MIRA 18:10)

1. Laboratoriya antibiotikov, Moskovskogo universiteta.

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Study of the proteins of Vietnamese rice by the method of electrophoresis on polyacrylamide gel. Prikl. biokhim. i mikrobiol. 1 no.2:250-252 Mr-Ap '65.

(MIRA 18:11)

1. Khimicheskiy fakul'tet Moskovskogo gosudarstvennogo universiteta imeni M.V.Lomonosova, Moskva.

PETROV, V.I.; KOLEROVA, N.V.; KOVTUNENKO, V.T.; SILAYEV, A.D.

Methodology of preparing an aqueous suspension of barium for X-ray examination of the gastrointestinal tract. Vestn. rent. i rad. 38 no.3:61-63 My-Je '63. (MIRA 17:7)

1. Iz rentgeno-radiologicheskogo otdela (rukovoditel' - prof. V.I. Petrov) Moskovskogo oblastnogo nauchno-issledovatel'skogo klinicheskogo instituta imeni M.F. Vladimirovskogo (direktor - zaslužhennyy vrach RSFSR P.M. Leonenko).

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